

File

State of California
The Resources Agency
DEPARTMENT OF WATER RESOURCES
DIVISION OF SAFETY OF DAMS

INSPECTION OF DAM AND RESERVOIR IN CERTIFIED STATUS

Name of dam Oroville Dam Dam No. 1-48 County Butte
Type of dam Earthfill Type of Spillway Gated Concrete Weir and Chute
Water is feet 47 feet above spillway crest and 61.4 feet below dam crest.
W.S. 860.6

Weather Conditions Overcast with intermittent rain

Contacts made Shawn Jones and Lorraine Pendlebury

Reason for inspection Special spillway inspection

Important Observations, Recommendations or Actions Taken

The spillway and radial gates were functioning normally and remain in satisfactory condition. Gate seal leakage was extensive but normal for these gates. No recommendations are being made as a result of the inspection.

Conclusions

From the known information and the visual inspection, the dam, reservoir, and the appurtenances are judged satisfactory for continued use.

Item No.*	Item Name and Observation and Comment
SPILLWAY	<p>The purpose of this inspection was to observe the operation of the spillway under flood conditions. The flow at the time was about 31,500 cfs. All eight gates were open equally, and the flow was symmetrical across the chute floor. See photograph 1.</p> <p>The radial gates, trunnions, and trunnion anchors appeared to be in good condition. The protective coatings remain intact. The tendon anchors and protective covers were in satisfactory condition. See photograph 2.</p> <p>The gate seals were leaking extensively, which is typical during high head conditions. See photograph 3. The lift cables and linkages were satisfactory. No indications of wear or damage were observed. The hoist drums were also satisfactory. No indications of vibration were noted on the gates or lift cables.</p> <p>The chute appeared to be in satisfactory condition. No signs of distress were observed in the flow. The chute wall drains were flowing from a point near the vertical curve to the end of the flip bucket. See photograph 4. The flow from the flip bucket was normal and symmetrical as shown in photograph 5.</p>

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Numbers and Items
(See Reverse Side)

Inspected by W Pennington
Date of Inspection 4/4/06
Date of Report 4/11/06
Photos taken? Yes X No
Sheet 1 of 1 Sheets



1. The flow in the chute was normal, with no observed signs of distress. Note the wall drains flowing in the background.



2. The trunnion beams and anchors are shown. The water on the inspection deck was from drifting rain. Conditions appeared to be normal.

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3. Typical seal leakage conditions are shown. Note the good condition of the protective coatings.



4. The drain flow from both chute walls started at the location indicated by the arrow. The drains from this point to the flip bucket appeared to be flowing.

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5. The overall conditions in the chute and flip bucket are shown. The flow across the flip bucket appeared to be normal and symmetrical.

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